

QSL Creator V3.3.x

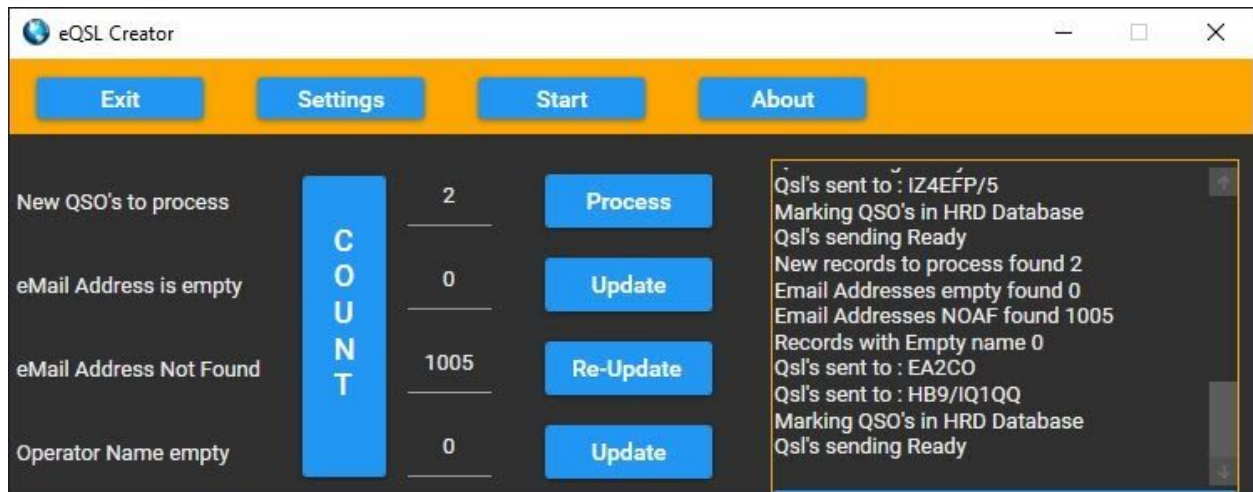
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Prerequisites:

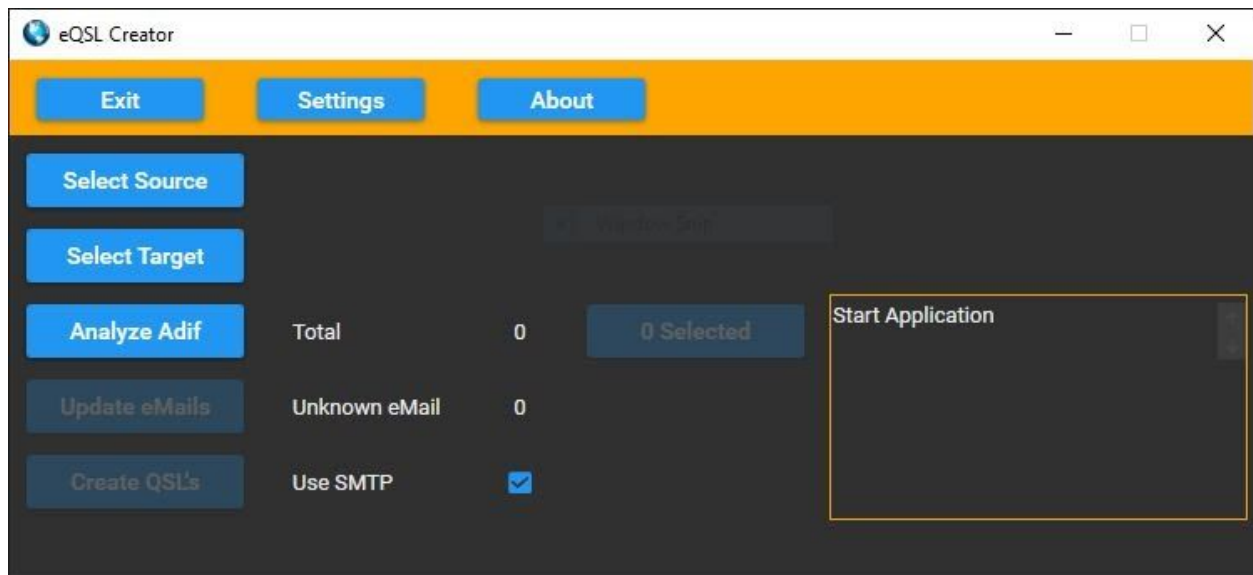
- This software works in conjunction with **HRD logging** software and accesses either the
 - the **Microsoft Access DB** (default installation)
 - **Access Database Engine has to be installed** when using the Access Database option, either with the setup provided or based on the full Microsoft Access Software. **Download 32BIT Driver**
[:https://www.microsoft.com/en-us/download/details.aspx?id=13255](https://www.microsoft.com/en-us/download/details.aspx?id=13255)
 - a Database on a **Maria Database Server**
 - OR in conjunction with **N1MM** logging software.
 - N1MM uses **SQLite** database for logging contacts. This application adds an additional table to track eQSL's send.
 - OR in conjunction with **ADIF files**.
- To be able to send emails through SMTP, you will need a **SMTP/eMAIL account** that allows you to send through their SMTP server directly.
- Templates can be made using the provided photoshop file or the internal image preparation option.
 - Images should have the following dimensions : **1700 px (w) by 1300 px (h)** (300dpi)
- In the folder of the template(s) location you should create a folder named "generated"
- Additional Prerequisites when you want to be able to update email addresses automatically from QRZ :
 - Subscription. *Without QRZ Subscription, email addresses should be updated (manually) using HRD. Most of the time, email addresses are already retrieved by the HRD software based on your settings.*

Before trying out the functions on the main screen, change/update your settings according to your needs.

HRD AND N1MM Mode



ADIF Mode



TO SWITCH BETWEEN HRD/N1MM MODE AND ADIF MODE, SET THE LOGGING MODE YOU WANT TO USE, SAVE AND RESTART THE PROGRAM.

HRD/N1MM AND ADIF MODE USES A DIFFERENT START SCREEN.

THEN CONTINUE WITH YOUR SETTINGS

HRD and N1MM Mode

Count New Qso's to process.

The zero should change to QSO's in the HRD database that have an email address and have QSL sent = NO

You can change this number before pressing '**Create Digital QSL's**' to limit the amount of QSL cards created and sent in one run. (Some providers don't like bulk emails as they consider this as spam)

Process New.

Use the total amount of records found or change the number to process less records. By pressing this button, the software will try to send an email with a generated eQSL image based on your settings

Count eMail Address is empty

Counts the QSO's without email address and QSL sent= **No**

Same as above, you can limit the amount of lookups at once at QRZ by changing the number. *(QRZ Subscription needed for actual (re-)update - see settings)*

Update Email addresses

Pressing this button, it will use your QRZ account to retrieve the email address for QSO log entries that do not have an email address and have not been tried before.

Count eMail Address Not Found

Counts the QSO's for which the email address was checked before but none found.

Re-Update Email addresses

Pressing this button, the program will re-try to find valid email addresses for those records that have QSL Sent = No and Email address = "No Address Found"

This will find email addresses that have been entered by the QRZ user after the last try.

Count Operator name empty

Counts the QSO's in the log where the Name field is empty

Update

Tries to update the name field from QRZ

ADIF Mode

Select Source

Select the Adif export file from you logbook for which you want to send / create eQSL's

Select Target

Select the file where you want the updates ADIF file to be created with updated email addresses and QSL info

Analyze Adif

Will count the QSO's and identify those QSO without email address

Update eMails

Will update the email addresses for those QSO without an eMail address based on QRZ

Create QSL's

If SMTP enabled:

Will create images and eMail according settings and will automatically send the eMails with image attached and will create a target ADIF file on success.

If SMTP disabled:

Will create images in the designated folder and will create the target ADIF file on success.

Selected

This will give you the option to select / deselect individual or ranges of QSO's to process. In the select window you can choose to select or de-select specific QSO's

Select Qso's

SEL	CALL	DATETIME	FREQ	MODE	BAND	RST RECV	RST SENT	EMAIL
<input checked="" type="checkbox"/>	PA4R	2020-02-08 12:01:34Z	14.217	SSB	20m	59	59	
<input checked="" type="checkbox"/>	PD1RDH	2020-02-08 12:12:02Z	14.285	SSB	20m	59	59	

Search

All On

All Off

Select On

Select Off

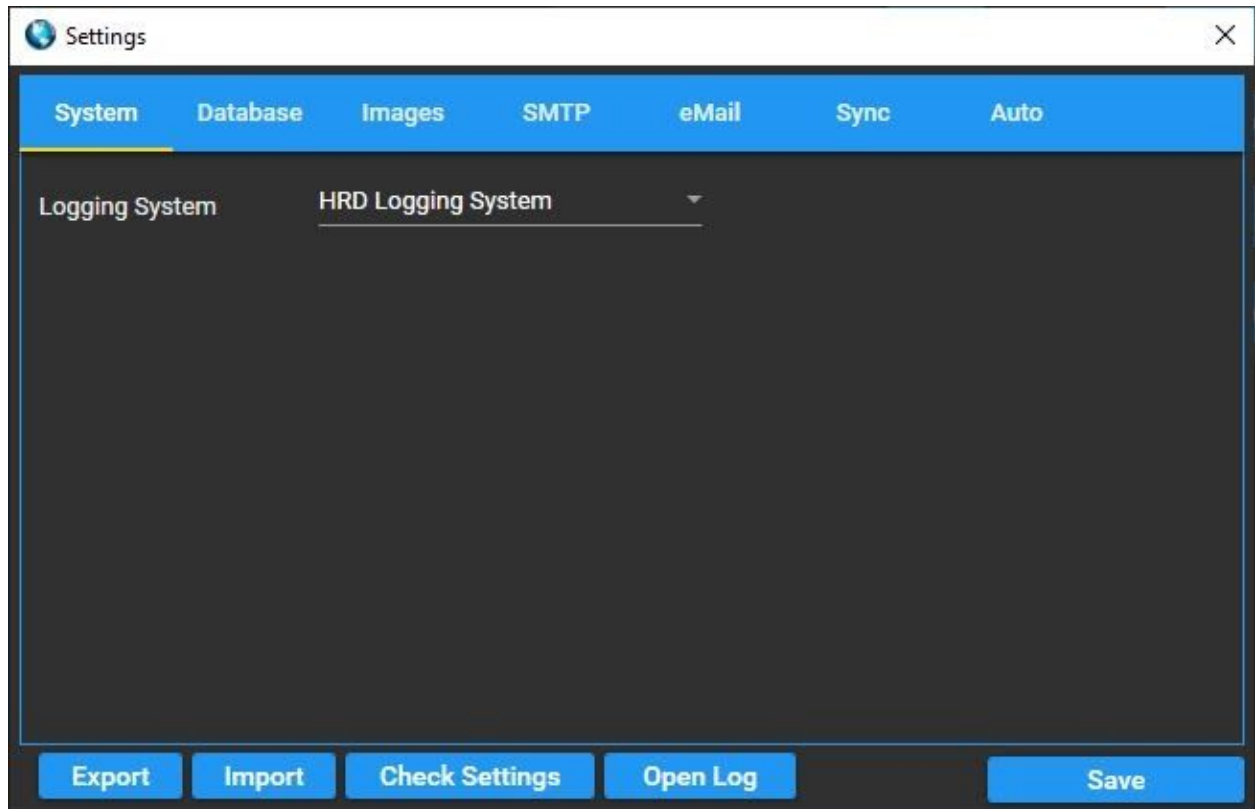
Done

Settings:

LOGGING SYSTEM

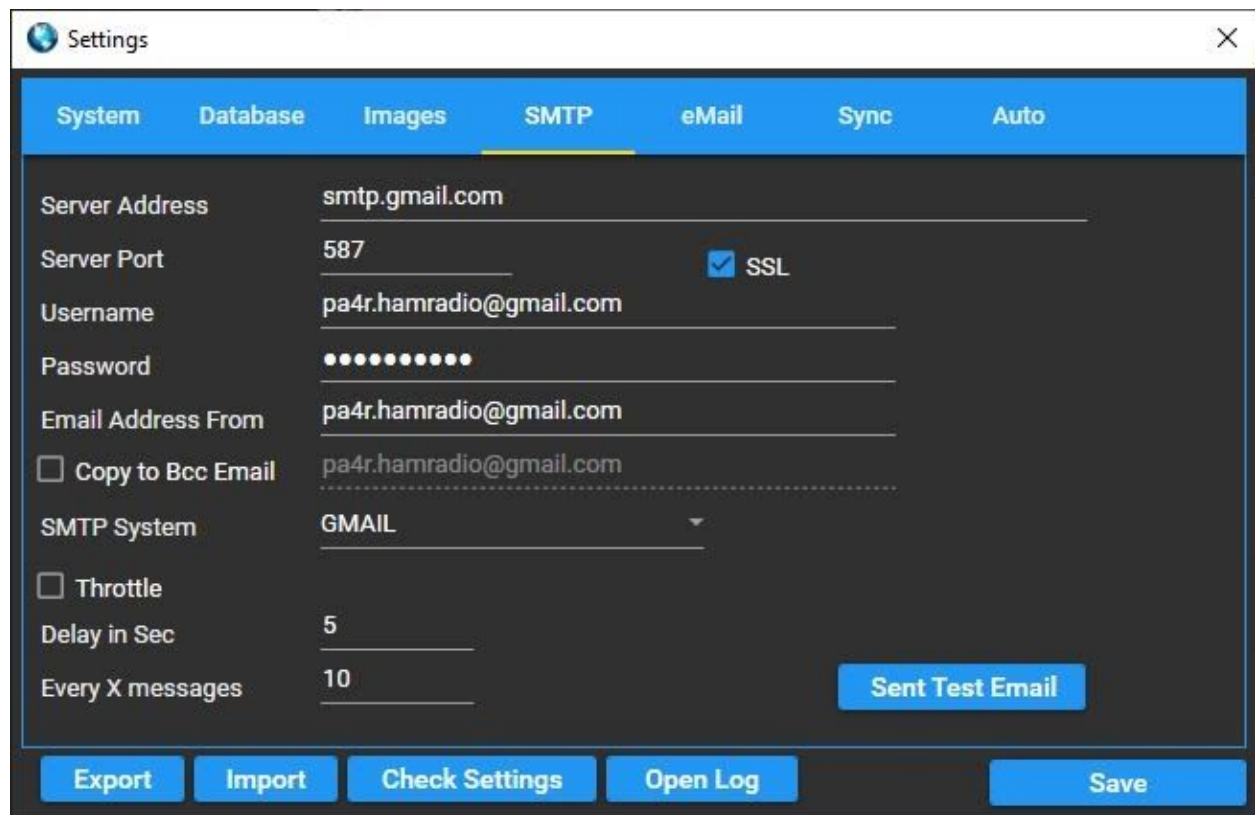
Select the appropriate logging system

If you select between HRD/N1MM OR ADIF then you need to save the settings and restart the application. It will start in the new mode.



SMTP

Provide the SMTP settings for your account. Either with or without SSL.
Correct settings should be retrieved from your provider.



The screenshot shows a 'Settings' window with a dark theme. The 'SMTP' tab is selected in the top navigation bar. The settings are as follows:

Server Address	smtp.gmail.com	
Server Port	587	<input checked="" type="checkbox"/> SSL
Username	pa4r.hamradio@gmail.com	
Password	●●●●●●●●	
Email Address From	pa4r.hamradio@gmail.com	
<input type="checkbox"/> Copy to Bcc Email	pa4r.hamradio@gmail.com	
SMTP System	GMAIL	
<input type="checkbox"/> Throttle		
Delay in Sec	5	
Every X messages	10	

At the bottom right of the settings area is a blue button labeled 'Sent Test Email'. Below the settings area is a row of five blue buttons: 'Export', 'Import', 'Check Settings', 'Open Log', and 'Save'.

GMAIL **without** 2-step verification:

Server Address	smtp.gmail.com
Server Port	587
SSL	true
Username	Your Full Email Address
Password	Your Login Password
Email address From	Your Full Email Address
SMTP System	GMAIL

And enable "Less secure app access" on your Google Account

GMAIL **with** 2-step verification:

Go to your GMAIL Account security options and **create a App Password:**

Password	Last changed Nov 20, 2018
2-Step Verification	<input checked="" type="checkbox"/> On
App passwords	2 passwords


Server Address	smtp.gmail.com
Server Port	587
SSL	true
Username	Your Full Email Address
Password	App password you created for this tool
Email address From	Your Full Email Address
SMTP System	GMAIL

YAHOO:

Go to your Yahoo Account security options and **create a App Password:**

Two-step verification

Protect your account by enabling an additional security step using

 Phone number
Sign in by verifying the code sent to your phone.

Manage app passwords

hamtools

Server Address	smtp.mail.yahoo.com
Server Port	587
SSL	false
Username	Your Full Email Address
Password	App password you created for this tool
Email address From	Your Full Email Address
SMTP System	YAHOO

Office365:

Server Address	smtp.office365.com
Server Port	587
SSL	true
Username	Your Full Email Address
Password	Your Login Password
Email address From	Your Full Email Address
SMTP System	OFFICE365

THROTTLE gives you the ability to slow down the eMail sending.

Some providers will limit the amount of eMail that can be sent per day or hour.

If you have a large ADIF file or starting out using this application with a large database, this give you the ability to process the large amount of QSO's in a slowdown process so that you will not go over the threshold of your provider.

DATABASE

HRD - Access DB (Don't forget Access 2010 - 32 bit driver)

Enter the full path incl. Database filename to point to your HRD database location.

Probably it can be found under :

C:\Users\USERNAME\AppData\Roaming\HRDLLC\HRD Logbook\LogBookFileName.mdb

(AppData is a hidden windows folder but you can still type it to access the folder location)

HRD - Maria DB Server / MySql

Or use the Maria Database option when this has been setup together with HRD Log

Use Access Database

Database path C:\Users\dehee\AppData\Roaming\HRDLLC\HRD Logbook\LogBook

Test Connection

Maria Database

Server Address 127.0.0.1

Server Port 3306

Database name hrd_database01

Username root

Password ●●●●●●●●

Test Connection

Export

Import

Check Settings

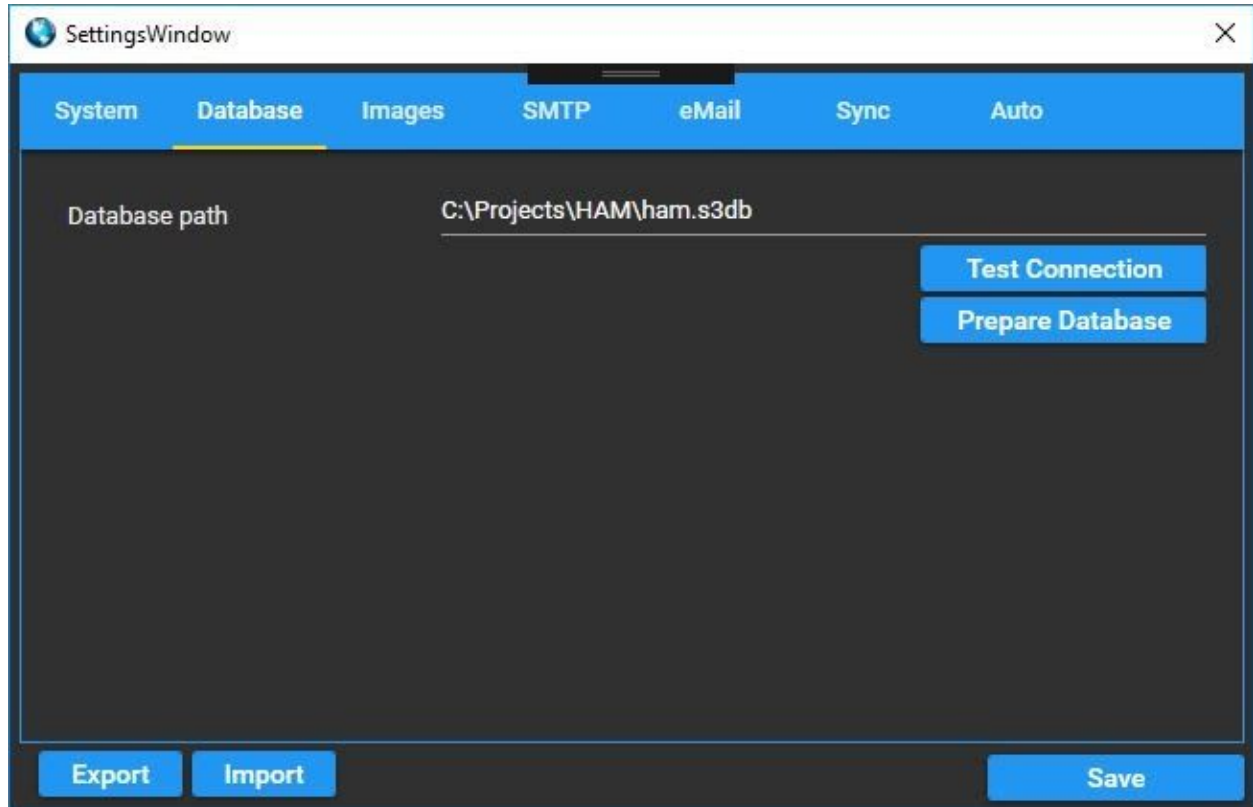
Open Log

Save

N1MM-SQLite Database

The Prepare button adds the necessary table to track eQSL that have been sent to the Database.

Always **MAKE A BACKUP** of the database before preparing the database for use with this software !



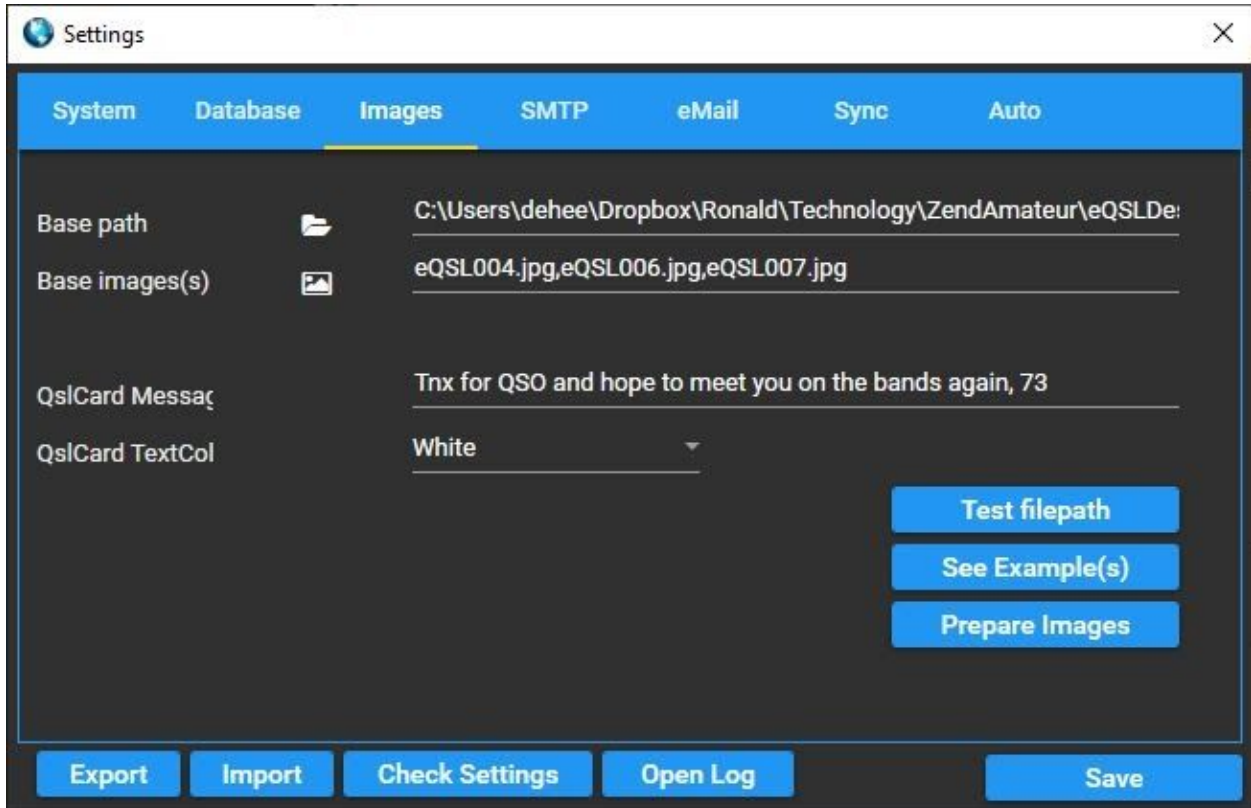
QSL Image(s)

Enter the name(s) of the images files and use a comma as separator.

The eQSL generator will use one of the images specified in the list at random.

Create a directory in which you place your image(s). (Enter this at Filepath)

Create a folder named "generated" in that location



The screenshot shows a 'Settings' window with a dark theme and a blue header. The 'Images' tab is selected. The settings are as follows:

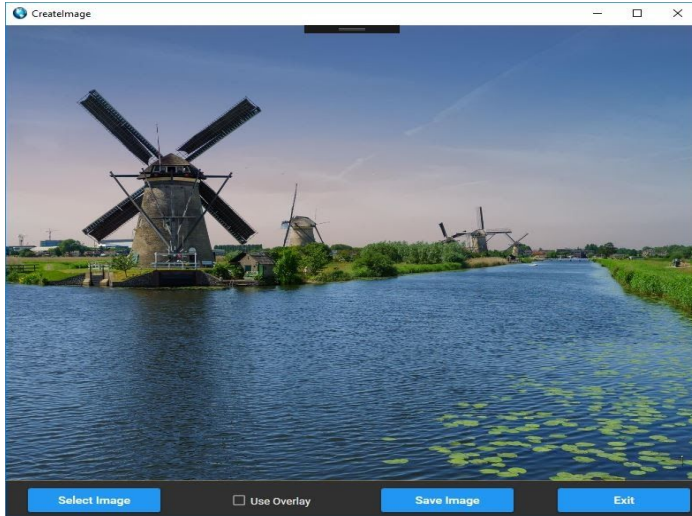
Setting	Value
Base path	C:\Users\dehee\Dropbox\Ronald\Technology\ZendAmateur\eQSLDe:
Base images(s)	eQSL004.jpg,eQSL006.jpg,eQSL007.jpg
QslCard Messag	Tnx for QSO and hope to meet you on the bands again, 73
QslCard TextCol	White

Buttons at the bottom right of the settings area: Test filepath, See Example(s), Prepare Images.

Buttons at the bottom of the window: Export, Import, Check Settings, Open Log, Save.

Or use the Prepare Images tool which can format your image to the correct resolution and add an optional banner.

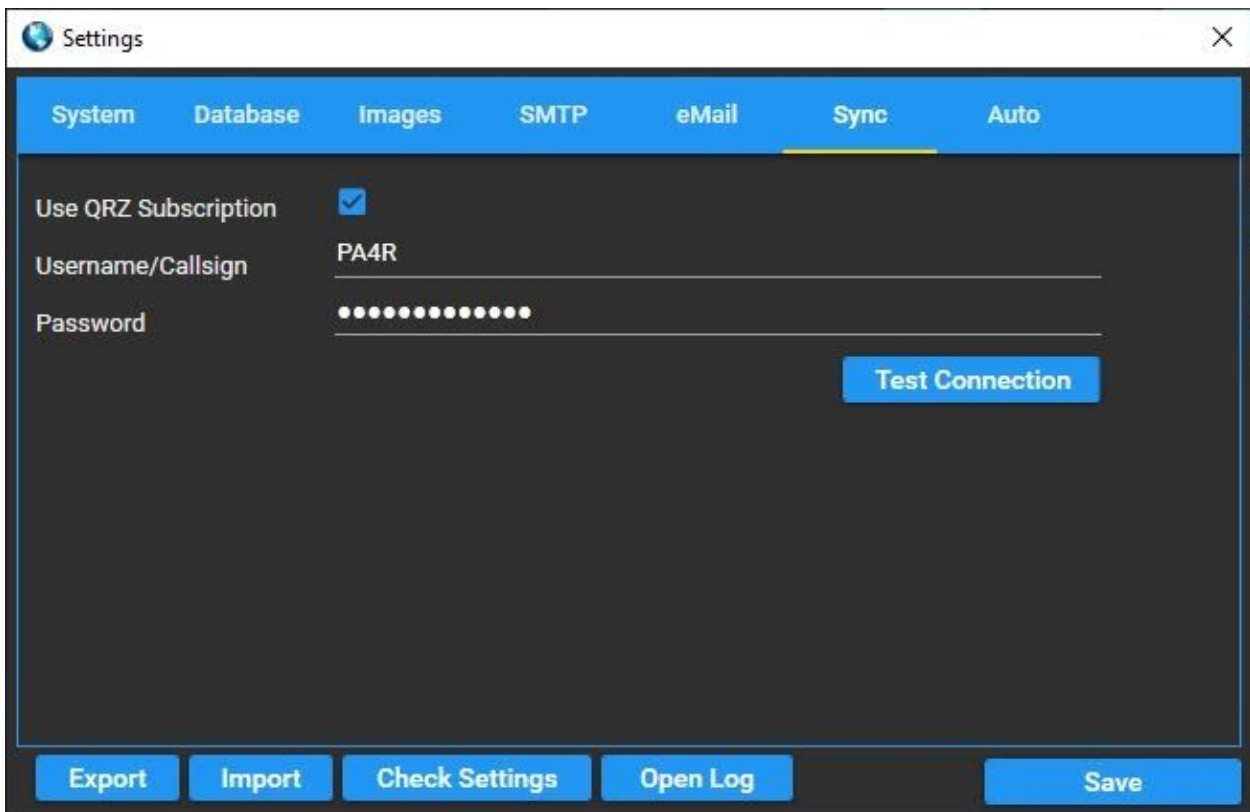
For more creative freedom, use the above method and create your images in a photo editing program.



QRZ Sync

Enter your credentials in the fields. Mostly username is your callsign

With this option, the QRZ API can be used to update email addresses of the OM QRZ profile



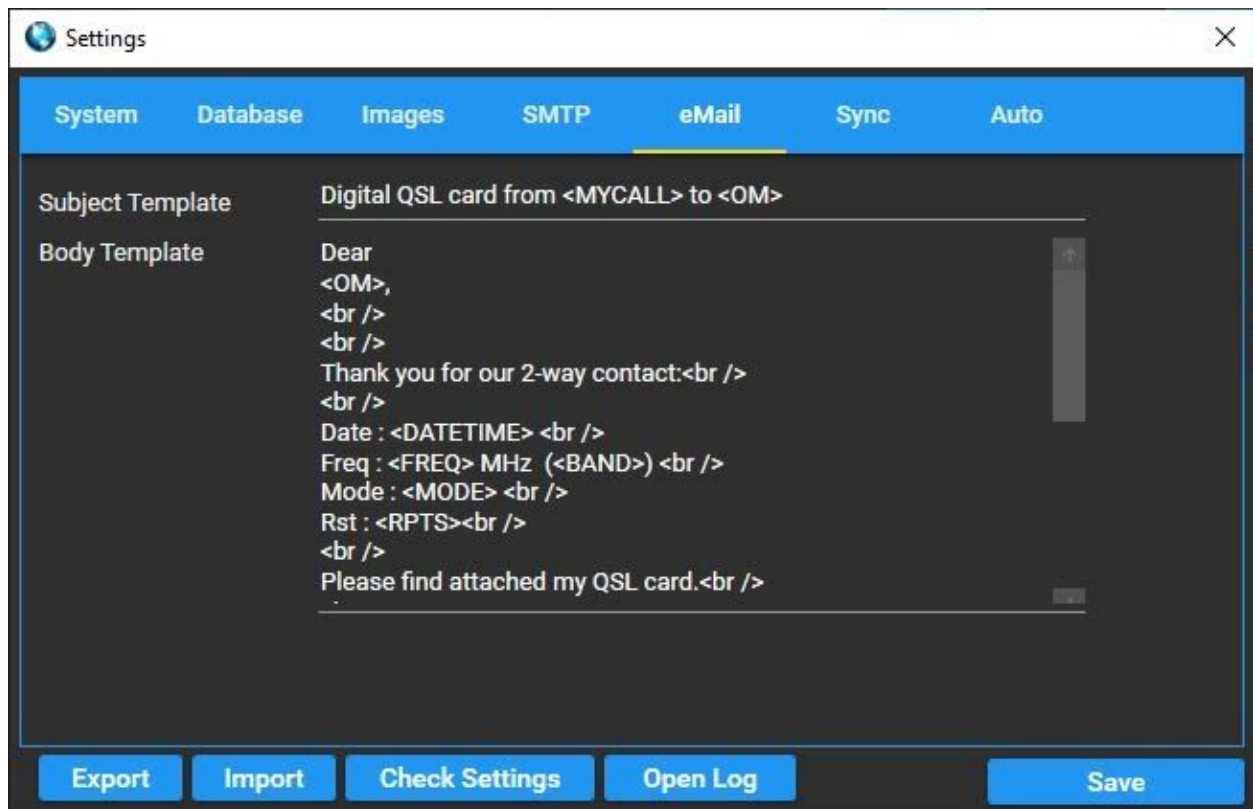
TEMPLATES

Edit the mail template to your liking.

The following TAGs are available and will be replaced with the data from your log.

<OM> Callsign of your contact.
<MYCALL> Your call sign used on that contact.
<MODE> Mode
<FREQ> Frequency
<RPTS> Sent Report
<RPTR> Received Report
<BAND> Band used
<DATETIME> Date and Time (UTC)

Rest is basic HTML.

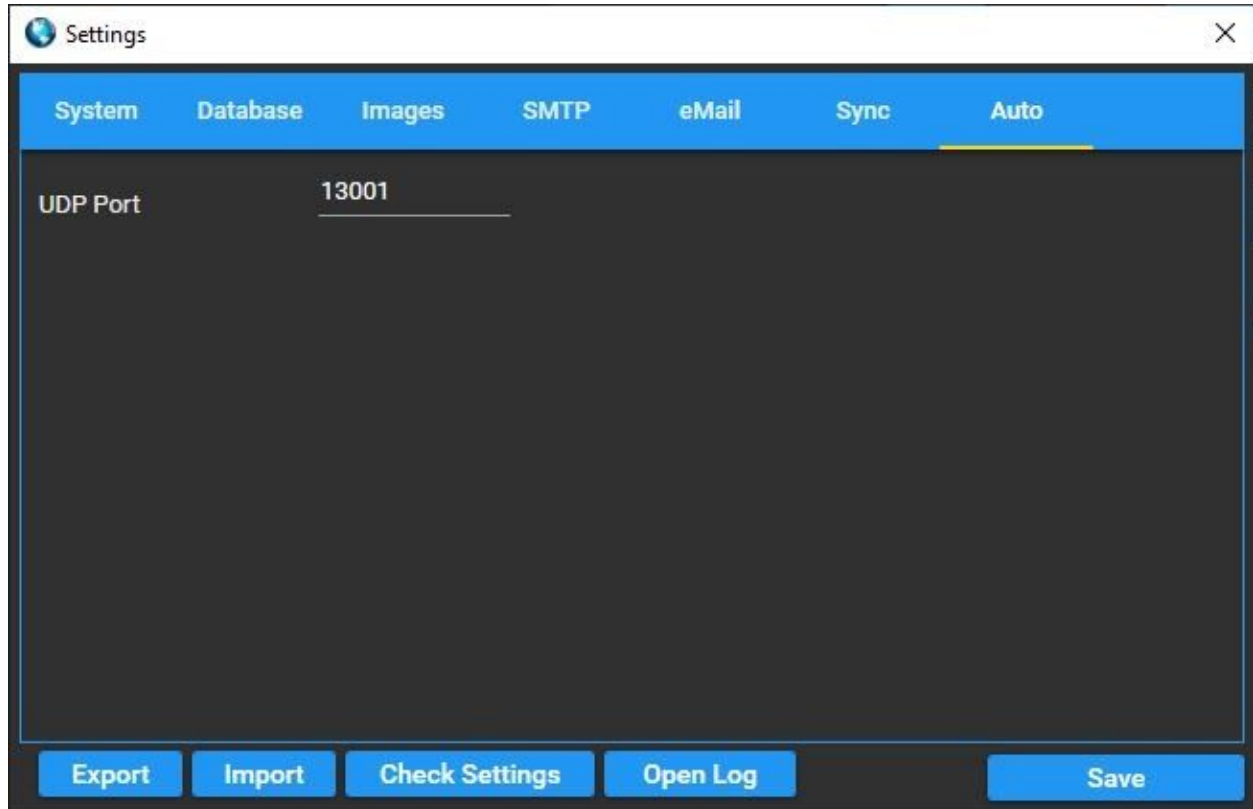


Automation using UDP

If you like to use automation, specify the port you want to have QslCreator to listen on for QSO events. On receiving an event, QSLCreator will get 1 record from the HRD database and process it.

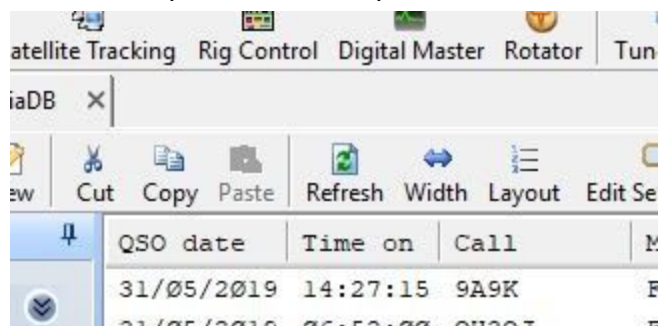
To use correctly, start the automation when the new QSO count = zero.

Also you need to specify the chosen port in HRD for the broadcast to happen.



UPDATES in HRD VISIBLE

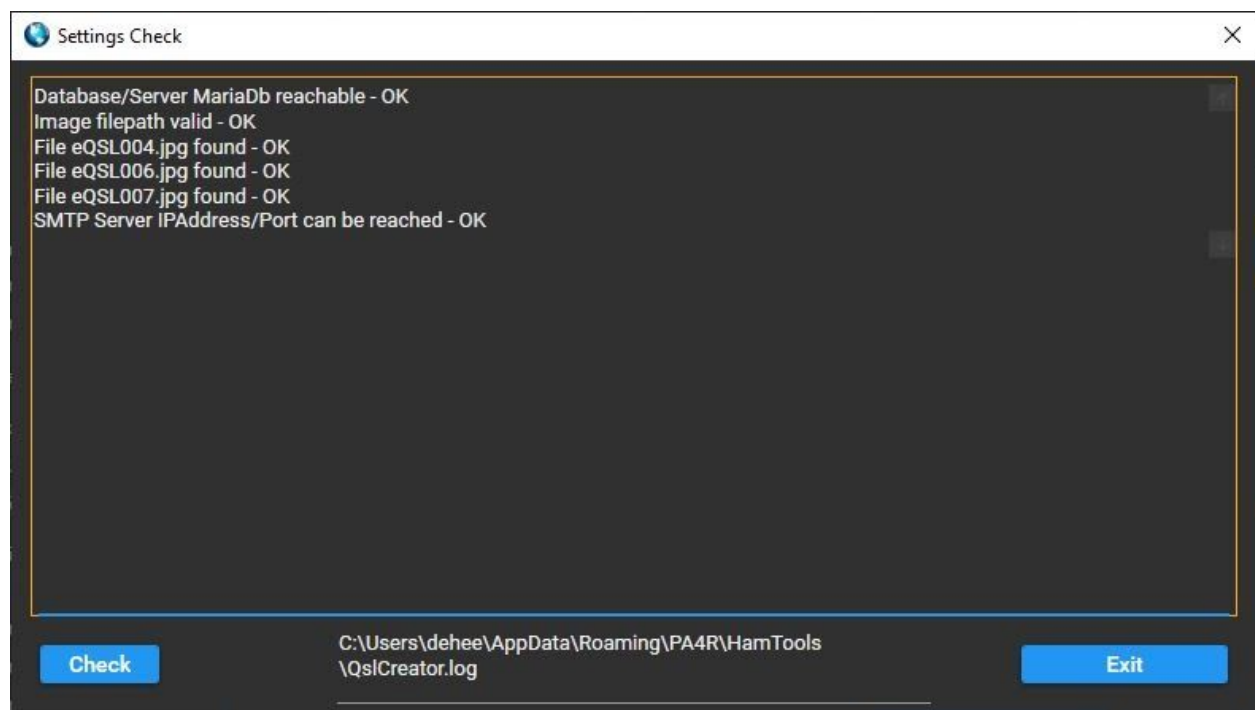
To see the updates in HRD, press Refresh on the HRD menu:



Testing Settings

Settings can be tested in the Check Settings window.

If you still have issues, Please see Log file. (open log)



Need HELP..

Please export your configuration and send me the logfile & the configuration xml.